

**ABSTRACT**

An organic light emitting diode (OLED) display includes an array of OLED pixels that generate heat and an array of thermally conductive elements positioned between the OLED pixels and a thermally conductive back panel. In one embodiment of the invention, the thermally conductive elements may be solder joints deposited over cathode contacts and anode contacts at each OLED pixel. The solder joints provide a path of low thermal resistance from the OLED pixels to the back panel. Also, the solder joints may serve as an array of electrical connections from back panel interconnects to the cathode lines and anode lines.

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